

CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A communication system comprising:
- a mail server configured to store one or more email messages; and
 - network processing device for converting a first email message from the mail server to facsimile information and transmitting the facsimile information to one or more remote facsimile devices where the network processing device detects a failure in the transmission of the facsimile information to at least one of the remote facsimile devices and transmits a second email message including at least a first portion of the first email message to the mail server responsive to the detected failure;

wherein the second email message identifies the one or more remote facsimile devices that correspond to the detected failure.

2. – 6. (Canceled)

7. (Previously Presented) A method for transmitting facsimile information comprising:
- receiving a first email message comprising of first email packets from a mail server;
 - converting the first email message packets into fax pages of a fax document; transmitting the fax pages to a recipient fax machine;
 - upon failure to successfully transmit the fax pages of the fax document to the recipient fax machine, converting failed fax pages, defined by those fax pages of the fax document that failed to be successfully transmitted to the recipient fax machine, into secondary email packets wherein, upon conversion to fax pages, for transmission thereof to the recipient fax machine; and
 - transmitting one or more of the first email message packets to the mail server for future re-transmission thereof to the recipient fax machine.

8. – 14. (Canceled)

15. (Previously Presented) A method for transmitting facsimile information comprising:
- receiving a first email message, in the form of packets;
 - converting the first email message packets into first fax pages of a fax document;

transmitting the first fax pages to a recipient fax machine;
upon failure to successfully transmit at least one of the first fax pages of the fax document to the recipient fax machine, converting the failed fax pages into secondary email packets for re-transmission thereof to the recipient fax machine; and
transmitting one or more of the first email message packets to a destination other than the recipient fax machine.

16. (Previously Presented) A method as recited in claim 15 further comprising the steps of receiving a first envelope information for identification of the source, destination and header information associated with the first email message and storing the first envelope information.

17. (Previously Presented) A method as recited in claim 15 including the step of transmitting the first email message to multiple recipient fax machines.

18. (Canceled)

19. (Previously Presented) The communications system according to claim 1 wherein the first portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure.

20. (Currently Amended) The A communications system comprising: according to claim 19
a mail server configured to store one or more email messages; and
network processing device for converting a first email message from the mail server to
facsimile information and transmitting the facsimile information to one or more remote facsimile
devices where the network processing device detects a failure in the transmission of the facsimile
information to at least one of the remote facsimile devices and transmits a second email message
including at least a first portion of the first email message to the mail server responsive to the
detected failure;
wherein the first portion of the first email message included within the second email
message corresponds to the facsimile information that was unsuccessfully transmitted as a result
of the failure;

wherein the network processing device reconverts the unsuccessfully transmitted facsimile information into an email message format for inclusion within the second email message.

21. (Canceled)

22. (Currently Amended) The communications system according to claim 1 ~~21~~ wherein the network processing device receives at least some of the information within the second email message back from the mail server, converts the information into facsimile information, and transmits the facsimile information to the one or more identified remote facsimile devices.

23. (Currently Amended) The communications system according to claim 1 ~~21~~ wherein another network processing device receives at least some of the information within the second email message from the mail server, converts the information into facsimile information, and transmits the facsimile information to the one or more identified remote facsimile devices.

24. (Previously Presented) The communications system according to claim 1 wherein the network processing device detects another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices and transmits a third email message including at least a portion of the first email message to the mail server responsive to the other detected failure.

25. (Currently Amended) ~~The~~ A communications system comprising: according to claim 24
a mail server configured to store one or more email messages; and
network processing device for converting a first email message from the mail server to
facsimile information and transmitting the facsimile information to one or more remote facsimile
devices where the network processing device detects a failure in the transmission of the facsimile
information to at least one of the remote facsimile devices and transmits a second email message
including at least a first portion of the first email message to the mail server responsive to the
detected failure;

wherein the network processing device detects another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices and transmits a third email message including at least a portion of the first email message to the mail server responsive to the other detected failure;

wherein the third email message identifies which of the remote facsimile devices corresponds to the other detected failure.

26. (Currently Amended) A device comprising:

a first interface for exchanging one or more email messages with a mail server;
a translator configured to convert a first email message from the mail server into facsimile information; and

a second interface for transmitting the facsimile information to one or more remote facsimile devices, where the first interface transmits a second email message that includes at least a portion of the first email message to the mail server responsive to a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

wherein the second email message identifies which of the one or more remote facsimile devices corresponds to the failure.

27. (Previously Presented) The device according to claim 26 wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure.

28. (Currently Amended) ~~The A device comprising: according to claim 27.~~

a first interface for exchanging one or more email messages with a mail server;
a translator configured to convert a first email message from the mail server into facsimile information; and

a second interface for transmitting the facsimile information to one or more remote facsimile devices, where the first interface transmits a second email message that includes at least a portion of the first email message to the mail server responsive to a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure;

wherein the translator reconverts the unsuccessfully transmitted facsimile information into an email message format for inclusion within the second email message.

29. (Canceled)

30. (Currently Amended) The device according to claim ~~26~~ 29 wherein the first interface receives the second email message from the mail server, the translator converts the second email message into facsimile information, and the second interface transmits the facsimile information to the one or more identified remote facsimile devices.

31. (Previously Presented) The device according to claim 26 wherein the first interface transmits a third email message including at least a portion of the first email message to the mail server responsive to the another failure in the transmission of the facsimile information to at least another one of the remote facsimile devices.

32. (Currently Amended) ~~The A device comprising: according to claim 31~~

a first interface for exchanging one or more email messages with a mail server;

a translator configured to convert a first email message from the mail server into facsimile information; and

a second interface for transmitting the facsimile information to one or more remote facsimile devices, where the first interface transmits a second email message that includes at least a portion of the first email message to the mail server responsive to a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

wherein the first interface transmits a third email message including at least a portion of the first email message to the mail server responsive to the another failure in the transmission of the facsimile information to at least another one of the remote facsimile devices;

wherein the third email message identifies which of the one or more remote facsimile devices corresponds to the another failure.

33. (Currently Amended) A device comprising:

means for converting a first email message from a mail server into facsimile information;

means for transmitting the facsimile information to one or more remote facsimile devices;

means for identifying a failure in the transmission of the facsimile information to at least one of the remote facsimile devices; and

means for transmitting a second email message including at least a portion of the first email message to the mail server responsive to the identified failure;

wherein the second email message identifies which of the one or more remote facsimile devices corresponds to the identified failure.

34. (Previously Presented) The device according to claim 33 wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure.

35. (Currently Amended) The A device comprising: according to claim 34 including

means for converting a first email message from a mail server into facsimile information;

means for transmitting the facsimile information to one or more remote facsimile devices;

means for identifying a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

means for transmitting a second email message including at least a portion of the first email message to the mail server responsive to the identified failure, wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure; and

means for reconvertng the unsuccessfully transmitted facsimile information into an email message format for inclusion within the second email message.

36. (Canceled)

37. (Currently Amended) The device according to claim 33 36 including

means for receiving the second email message from the mail server,

means for converting the second email message into facsimile information; and
means for transmitting the facsimile information to the one or more identified remote facsimile devices.

38. (Previously Presented) The device according to claim 33 including

means for identifying another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices; and

means for transmitting a third email message including at least a portion of the first email message to the mail server responsive to the another identified failure.

39. (Currently Amended) The A device comprising: according to claim 38

means for converting a first email message from a mail server into facsimile information;

means for transmitting the facsimile information to one or more remote facsimile devices;

means for identifying a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

means for transmitting a second email message including at least a portion of the first email message to the mail server responsive to the identified failure;

means for identifying another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices; and

means for transmitting a third email message including at least a portion of the first email message to the mail server responsive to the another identified failure;

wherein the third email message identifies which of the one or more remote facsimile devices corresponds to the another identified failure.

40. (Currently Amended) A method comprising:

converting a first email message from a mail server into facsimile information;

transmitting the facsimile information to one or more remote facsimile devices;

detecting a failure in the transmission of the facsimile information to at least one of the remote facsimile devices; and

transmitting a second email message including at least a portion of the first email message to the mail server responsive to the detected failure;

wherein the second email message identifies which of the one or more remote facsimile devices corresponds to the detected failure.

41. (Previously Presented) The method according to claim 40 wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure.

42. (Currently Amended) ~~The A method comprising: according to claim 41 includes~~
converting a first email message from a mail server into facsimile information;
transmitting the facsimile information to one or more remote facsimile devices;
detecting a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

transmitting a second email message including at least a portion of the first email message to the mail server responsive to the detected failure, wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure; and

reconverting the unsuccessfully transmitted facsimile information into an email message format for inclusion within the second email message.

43. (Canceled)

44. (Currently Amended) The method according to claim ~~40~~ 43 includes
receiving the second email message from the mail server,
converting the second email message into facsimile information; and
transmitting the facsimile information to the one or more identified remote facsimile devices.

45. (Previously Presented) The method according to claim 40 including
detecting another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices; and

transmitting a third email message including at least a portion of the first email message to the mail server responsive to the another detected failure.

46. (Currently Amended) The A method comprising: according to claim 45

converting a first email message from a mail server into facsimile information;

transmitting the facsimile information to one or more remote facsimile devices;

detecting a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

transmitting a second email message including at least a portion of the first email message to the mail server responsive to the detected failure;

detecting another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices; and

transmitting a third email message including at least a portion of the first email message to the mail server responsive to the another detected failure;

wherein the third email message identifies which of the one or more remote facsimile devices corresponds to the another detected failure.

47. (Currently Amended) An apparatus including a computer-readable medium containing computer instructions that, when executed, cause a processor or multiple communicating processors to perform a method comprising:

converting a first email message from a mail server into facsimile information;

transmitting the facsimile information to one or more remote facsimile devices;

identifying a failure in the transmission of the facsimile information to at least one of the remote facsimile devices; and

transmitting a second email message including at least a portion of the first email message to the mail server responsive to the identified failure;

wherein the second email message identifies which of the one or more remote facsimile devices corresponds to the identified failure.

48. (Previously Presented) The apparatus according to claim 47 wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure.

49. (Previously Presented) The An apparatus including a computer-readable medium containing computer instructions that, when executed, cause a processor or multiple communicating processors to perform a method comprising: according to claim 48 includes

converting a first email message from a mail server into facsimile information;

transmitting the facsimile information to one or more remote facsimile devices;

identifying a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

transmitting a second email message including at least a portion of the first email message to the mail server responsive to the identified failure, wherein the portion of the first email message included within the second email message corresponds to the facsimile information that was unsuccessfully transmitted as a result of the failure; and

reconverting the unsuccessfully transmitted facsimile information into an email message format for inclusion within the second email message.

50. (Canceled)

51. (Currently Amended) The apparatus according to claim ~~47~~ 50 includes

receiving the second email message from the mail server,

converting the second email message into facsimile information; and

transmitting the facsimile information to the one or more identified remote facsimile devices.

52. (Previously Presented) The apparatus according to claim 47 including

identifying another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices; and

transmitting a third email message including at least a portion of the first email message to the mail server responsive to the another detected failure.

53. (Currently Amended) ~~The~~ An apparatus including a computer-readable medium containing computer instructions that, when executed, cause a processor or multiple communicating processors to perform a method comprising: according to claim 52

converting a first email message from a mail server into facsimile information;

transmitting the facsimile information to one or more remote facsimile devices;

identifying a failure in the transmission of the facsimile information to at least one of the remote facsimile devices;

transmitting a second email message including at least a portion of the first email message to the mail server responsive to the identified failure

identifying another failure in the transmission of the facsimile information corresponding to at least one of the remote facsimile devices; and

transmitting a third email message including at least a portion of the first email message to the mail server responsive to the another detected failure;

wherein the third email message identifies which of the one or more remote facsimile devices corresponds to the another identified failure.

54. – 69. (Canceled)

70. (Currently Amended) ~~The~~ A communications system comprising: according to claim 1

a mail server configured to store one or more email messages; and

network processing device for converting a first email message from the mail server to facsimile information and transmitting the facsimile information to one or more remote facsimile devices where the network processing device detects a failure in the transmission of the facsimile information to at least one of the remote facsimile devices and transmits a second email message including at least a first portion of the first email message to the mail server responsive to the detected failure;

wherein the network processing device detects the failure in the transmission of the facsimile information to a first remote facsimile device and continues transmitting the facsimile information to one or more of the other remote facsimile devices.